

$AB = 3.93 \text{ cm}$

Slope $\overline{CD} = 2.50$

Slope $\overline{DB} = 0.50$

Slope $\overline{BC} = -1.50$

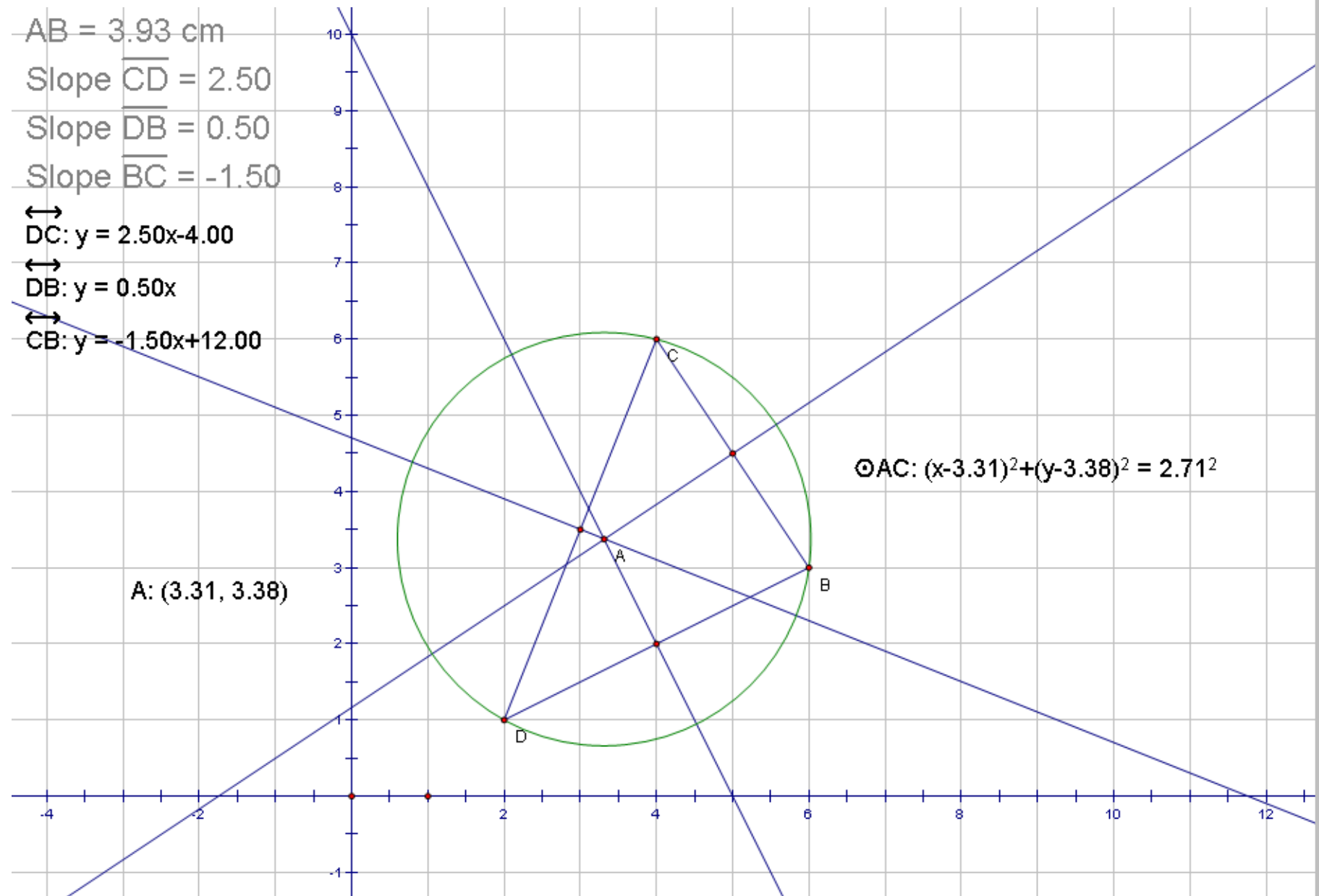
$\overleftrightarrow{DC}: y = 2.50x - 4.00$

$\overleftrightarrow{DB}: y = 0.50x$

$\overleftrightarrow{CB}: y = -1.50x + 12.00$

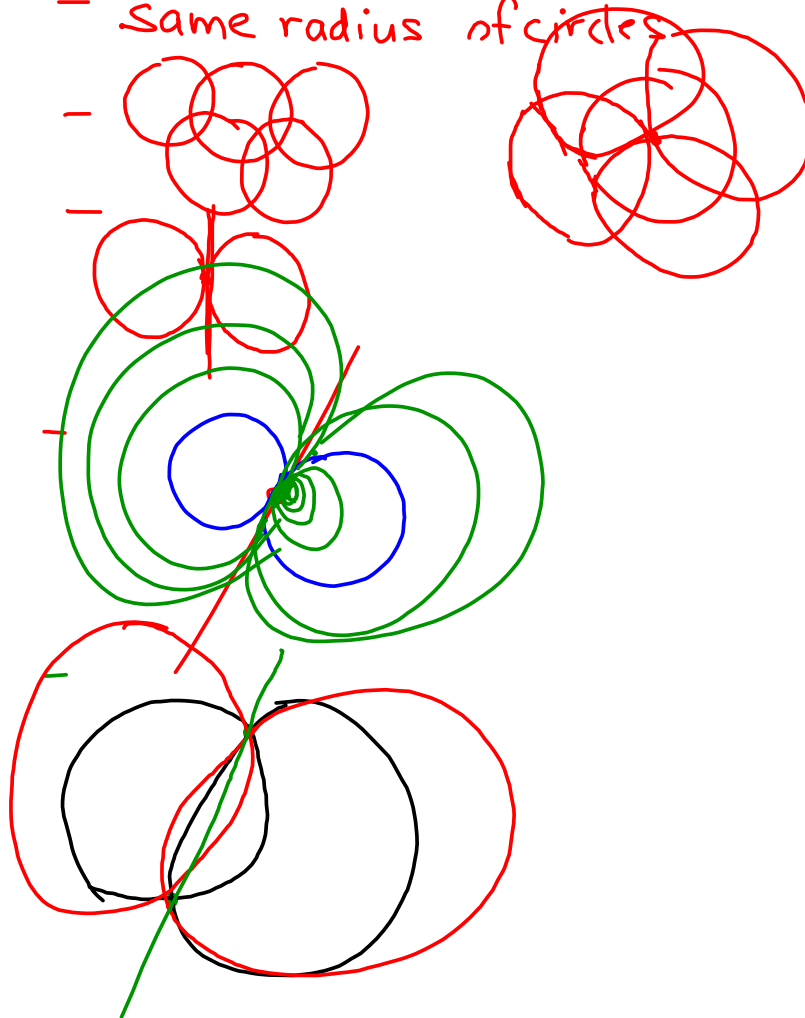
A: (3.31, 3.38)

$\odot AC: (x-3.31)^2 + (y-3.38)^2 = 2.71^2$



Family of Circles

- same center but different radii
concentric circles
- same radius of circles



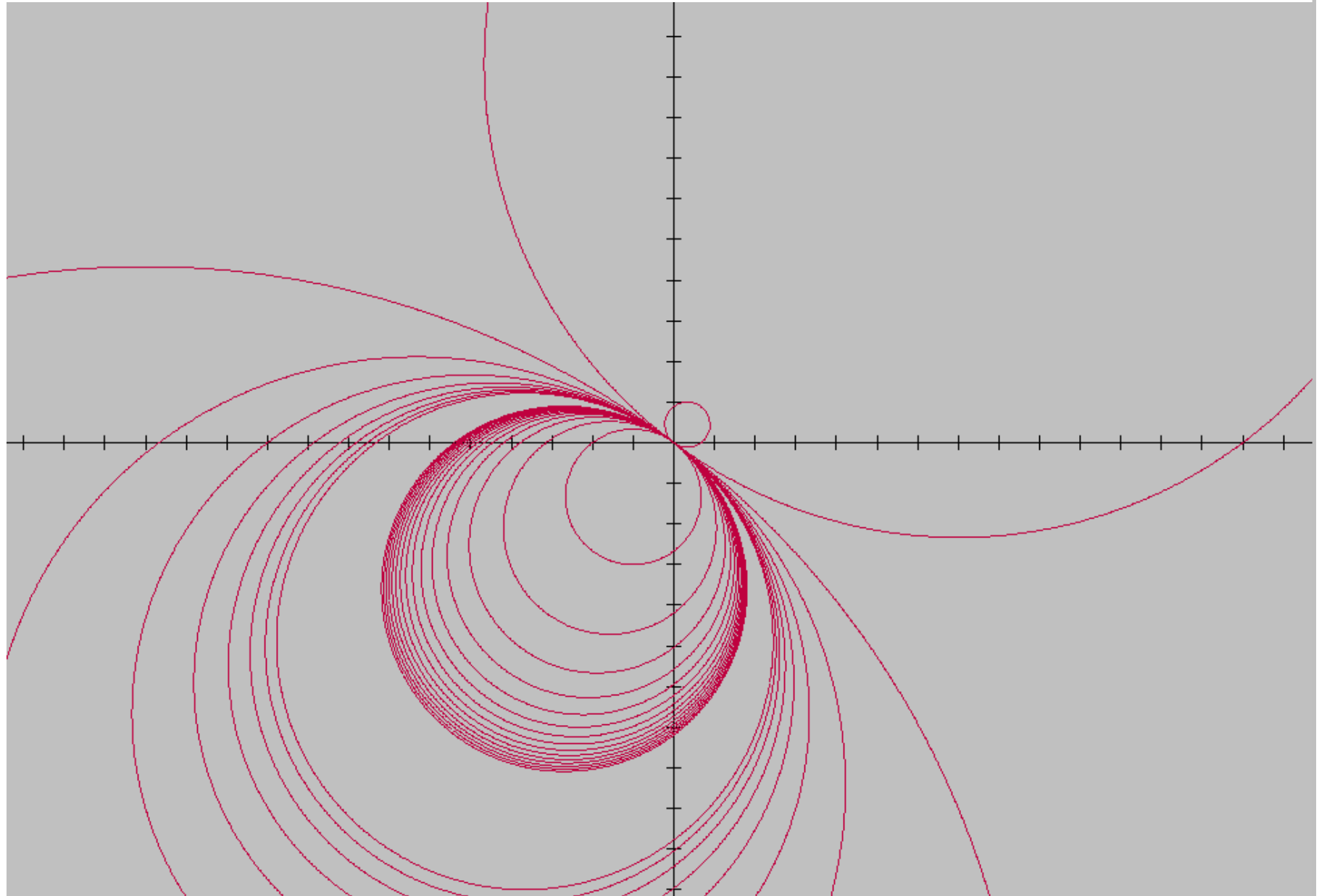
$$(x-h)^2 + (y-k)^2 = r^2$$

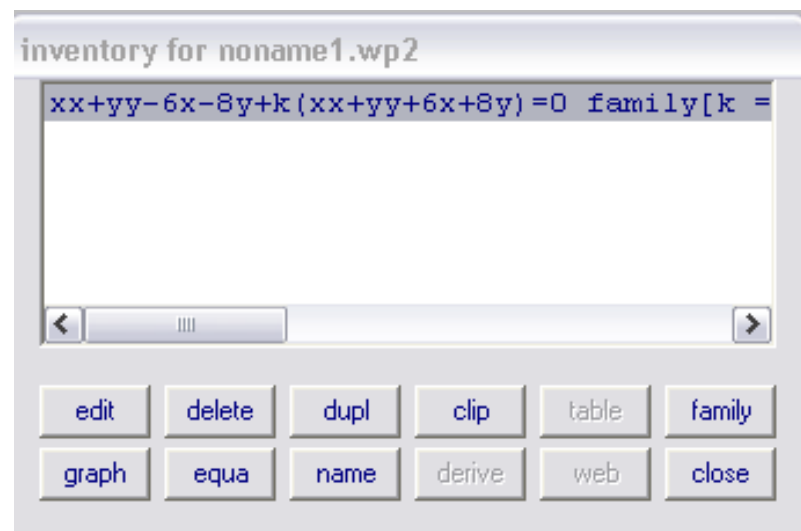
$$(x-2)^2 + (y+1)^2 = 16$$

$$x^2 + y^2 - 4x + 2y = 11$$

$$x^2 + y^2 - 4x + 2y - 11 = 0$$

$$Ax^2 + By^2 + Cx + Dy + E = 0$$





family [$xx+yy-6x-8y+k(x...$ ✕

parameter (A ... Q)

low

high

steps

☐ watch delay